

Title (en)

NARROW WEIGHING SYSTEM CAPABLE OF BEING ARRANGED IN NARROWLY SPACED ROWS IN THE LATERAL DIRECTION

Title (de)

SCHMALES, SEITLICH ANEINANDERREIHBARES WÄGESYSTEM

Title (fr)

SYSTEME DE PESEE ETROIT, POUVANT ETRE ASSEMBLE DE FAÇON COMPACTE LATERALEMENT

Publication

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Application

EP 05736487 A 20050411

Priority

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Abstract (en)

[origin: WO2005106406A1] A weighing system working on the principle of electromagnetic force compensation has two guide rods (4') which connect as parallel guides a load support (5') to a base region fixed to the housing, and at least one transmission lever (6') mounted on the base region and to whose shorter lever arm the weight force transmitted by the load support is applied via a coupling element, and to whose longer lever arm (7') is secured a coil which projects into the air gap of a permanent magnet system. The weighing system should be as narrow as possible while the length of the transmission lever and the space for the permanent magnet system should not be limited. For this purpose, the base region is subdivided into two separate sub-regions (2', 3'), the transmission lever (6') extends between these two sub-regions and two weighing systems are arranged next to one another and their base regions are interconnected in such a way that the two sub-regions (2, 3) of the base region of each weighing system fixes the two sub-regions (2', 3') of the base region of the other weighing system in their respective position relative to one another.

IPC 8 full level

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CPC (source: EP US)

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